

IN THE CLAIMS:

1. (Original) A comblike surfactant polymer comprising:
- a) a polymeric backbone of repeating monomeric units;
 - b) a plurality of hydrophobic side chains comprising from about 2 to about 18 methylene groups, said plurality of hydrophobic side chains being linked to said polymeric backbone by ester linkages, secondary amine linkages, amide linkages, or combinations thereof; and
 - c) a plurality of hydrophilic side chains linked to said polymeric backbone by ester linkages, secondary amine linkages, amide linkages, or combinations thereof, said hydrophilic side chains selected from the group consisting of: neutral oligosaccharide side chains having a weight average molecular weight of less than 7000; charged oligosaccharide side chains having a weight average molecular weight of less than 10,000; an oligopeptide of from about 3 to 30 amino acid residues, said oligopeptide having an amino acid sequence which interacts with protein receptors on the surface of cells; and combinations thereof.
2. (Original) The surfactant polymer of claim 1 wherein said polymeric backbone is a derivatized poly (vinyl amine), or a derivatized poly (vinyl alcohol) or a derivatized polylysine.
3. (Original) The surfactant polymer of claim 1 wherein said polymeric backbone is linked to said plurality of hydrophobic side chain by amide linkages;
- and wherein said polymeric backbone is linked to a plurality of oligosaccharide side chains by amide linkages.
4. (Original) The surfactant polymer of claim 1 wherein said polymeric backbone is linked to said plurality of hydrophobic side chains by secondary amine linkages; and
- wherein said polymeric backbone is linked to a plurality of oligopeptide side chains by secondary amine linkages.

5. (Original) The surfactant polymer of claim 1 wherein said polymeric backbone is linked to said plurality of hydrophobic side chains by secondary amine linkages;

wherein said polymeric backbone is linked to a plurality of oligopeptide side chains by secondary amine linkages;

and wherein said polymeric backbone is linked to a plurality of oligosaccharide side chains by amide linkages.

6. (Currently Amended) The surfactant polymer of claim 1 wherein said oligopeptide side chains comprise an amino acid sequence selected from the group consisting of: SEQ ID No. 1 (RGD), SEQ ID No. 4 (RRAR), SEQ ID No. 5 (RRRKRR), SEQ ID No. 6 (PPRRARVT), and SEQ ID No. 7 (PPREVVPRPRP).

7. (Original) The surfactant polymer of claim 1 wherein the ratio of hydrophilic side chains to hydrophobic side chains is from about 3:1 to about 1:6.

8. (Original) The surfactant polymer of claim 1 wherein said hydrophilic side chains are selected from the group consisting of dextran, oligomaltose, heparin, dermatan sulfate, and dextran sulfate.

Please cancel claims 9-12.

13. (Original) A substrate having a surfactant polymer attached to a surface thereof, said surfactant polymer comprising:

- a) a polymeric backbone of repeating monomeric units,
- b) a plurality of hydrophobic side chains comprising from about 2 to about 18 methylene groups, said plurality of hydrophobic side chains being linked to said polymeric backbone by ester linkages, secondary amine linkages, amide linkages; or combinations thereof and

c) a plurality of hydrophilic side chains linked to said polymeric backbone by ester linkages, secondary amine linkages, or amide linkages, or combinations thereof; said hydrophilic side chains selected from the group consisting of: neutral oligosaccharide side chains having a weight average molecular weight of less than 7000; charged oligosaccharide side chains having a weight average molecular weight of less than 10,000; an oligopeptide of from about 3 to 30 amino acid residues, said oligopeptide having an amino acid sequence which interacts with protein receptors on the surface of cells; and combinations thereof.

14. (Currently Amended) The substrate of claim 13 wherein said surfactant polymer comprises a plurality of oligopeptide side chains comprising an amino acid sequence selected from the group consisting of: SEQ ID No. 1 (RGD), SEQ ID No. 4 (RRAR), SEQ ID No. 5 (RRRKRR), SEQ ID No. 6 (PPRRARVT), and SEQ ID No. 7 (PPREVVPRPRP).

15. (Original) The substrate of claim 13 wherein said surfactant polymer comprises a plurality of oligosaccharide side chains linked to said polymer backbone by amide linkages.

Please cancel claims 16-20.
